

Publications Transmittal

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Department of Transportation and Public Facilities
Statewide Design and Engineering Services
Design and Construction Standards



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Remarks and Instructions

Enclosed is an FHWA approved revision to Chapter 11 of the Highway Preconstruction Manual. We have reformatted and assigned new section numbering to the text. It is now easier to find sections. The space is used more efficiently.

In addition to the format and section numbering changes, there have been numerous changes and corrections. The revisions to the text are highlighted with a sidebar in the margins to denote the paragraphs that were revised. Following are revisions to the text:

1. In Chapter 11, Section 1100.02 A definition of Highway Safety Improvement Program (HSIP) projects was added.
2. Section 1120, Figure 1120-1 Superelevation Transition formula was changed to be correct in metric (SI) units.
3. Section 1120, Figure 1120-2 had some changes related to metric (SI) units.
4. Section 1120.04 Drainage section revised (2) Storm Sewers, (3) Filter Courses or Subsurface Drainage Matting, (6) Hydraulic Reports revised frequency, (G) Scour
5. Section 1120 Figure 1120-4, Figure 1120-6, Figure 1120-7 changes to Turnout Geometry.
6. Section 1130.02 (c) Clear Zone Width changed treatment of auxilliary lanes, now

included in the Clear Zone.

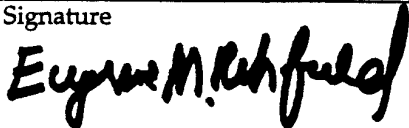
7. Section 1130.02 (e) Guardrail Position Requirements changed number 5. Road Approaches, Driveways and Turnouts to specify use NCHRP-350 approved end terminal.
Figure 1130-7a changes to equations, and change to show approved terminal end.
Figure 1130-9, Figure 1130-10 changed to indicate position of Tangent.
8. Section 1130.06 Cost Effectiveness Analysis changed Table 1130-2, Table 1130-3, Table 1130-4 to revise accident costs, added Appendix A showing conversion from speed in miles per hour to kilometers per hour.
9. Section 1160.02 changed (5) Accident Records to revise accident costs.
10. Section 1160, Example 1160-1 Revised 3R example problem about lane-shoulder and cross-section
11. Section 1160, Example 1160-3 Revised 3R Horizontal Curve problem
12. Section 1180, Pavement Design added Surface Course Selection Guide, and Asphalt Glossary.

Insertion instructions follow:

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Our plan for future distribution of the Highway Preconstruction Manual is to make the document available on the Design & Construction Standards Section of the Alaska DOT&PF Homepage.

This revision is being provided to all holders of the Highway Preconstruction Manual. Future updates will be made electronically. Those customers who desire printed updates may request them. There will be a charge for printed copies.

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